INTERNATIONAL SEARCH REPORT

PCT/GB2005/000114

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER B01J19/00 B01D3/08 B01F13/0	00			
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC			
	SEARCHED				
Minimum do IPC 7	ocumentation searched (classification system tollowed by classification BO1D BO1F BO1J BO1L	on symbols)			
Documentat	tion searched other than minimum documentation to the extent that s	such documents are included in the fields a	earched		
	ata base consulted during the International search (name of data baternal, WPI Data, PAJ	se and, where practical, search terms used			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category *	Chatlon of document, with indication, where appropriate, of the rel	evant passages	Relevant to daim No.		
A,P	US 2004/252584 A1 (JI HONGMIAO ET 16 December 2004 (2004-12-16) paragraphs '0033!, '0046!; claim figures 1,3,4		1-19		
A ·	WO 99/44736 A (INSTITUT FUER MIKE MAINZ GMBH; EHRFELD, WOLFGANG; LO HOLGE) 10 September 1999 (1999-09 claims; figures 1a,1b,2	DEWE,	1-19		
А	US 4 292 409 A (CREMONESI ET AL) 29 September 1981 (1981-09-29) claims; figures 1,2		1-19		
A	US 4 863 567 A (RALEY ET AL) 5 September 1989 (1989-09-05) column 5, line 37 - column 6, line figures 1-3		1-19		
	<u> </u>	-/			
X Furti	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.		
'A' docume consid 'E' earlier of filing d		"T' later document published after the international filing date or priority date and not in conflict with the application but dited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cited or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "O" document referring to an oral disclosure, use, exhibition or other means "O" document referring to an oral disclosure, use, exhibition or other means "O" document referring to an oral disclosure, use, exhibition or other means "O" document referring to an oral disclosure, use, exhibition or other means with one or more other such document is combined with one or more othe					
'P' docume	ent published prior to the International filing date but han the priority date claimed	family			
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report		
1	0 May 2005	19/05/2005			
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer			
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fourgeaud, D			

INTERNATIONAL SEARCH REPORT

tional Application No PCT/GB2005/000114

C.(Continue	Jation) DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
A	US 4 731 159 A (PORTER ET AL) 15 March 1988 (1988-03-15) column 2, line 39 - line 54; figure 1	1-19				
	·					
-						

INTERNATIONAL SEARCH REPORT

information on patent family members

ti tional Application No PCT/GB2005/000114

				1017 002	003/000114
Patent document clted in search report		Publication date		Patent family member(s)	Publication date
US 2004252584	A1	16-12-2004	WO	2004108261 A1	16-12-2004
WO 9944736	A	10-09-1999	DE	19909180 A1	09-09-1999
			DE	59901922 D1	08-08-2002
			WO	9944736 A1	10-09-1999
			EP	1060014 A1	20-12-2000
US 4292409	Α	29-09-1981	ΙT	1113361 B	20-01-1986
			ΑT	372974 B	12-12-1983
			AT	228680 A	15-04-1983
			ΑU	523433 B2	29-07-1982
			AU	5808080 A	13-11-1980
			BE	883161 A2	01-09-1980
			CA	1141314 A1	15-02-1983
			CH	652743 A5	29-11-1985
			DE	3011334 A1	13-11-1980
			ES	8104398 A1	01-07-1981
			FΙ	801413 A	09-11-1980
			FR	2456138 A1	05-12-1980
			GB	2048711 A ,B	17-12-1980
			JP	1131204 C	17-01-1983
			JP	56005091 A	20-01-1981
			JP	57022551 B	13-05-1982
			LU	82422 A1	31-07-1980
		•	NL	8002658 A	11-11-1980
•			NO	801248 A	10-11-1980
			SE	8003488 A	09-11-1980
US 4863567	Α	05-09-1989	NONE	·	
US 4731159	Α	15-03-1988	AT	25340 T	15-02-1987
			AU	567325 B2	19-11-1987
			AU	2483084 A	06-09-1984
			CA	1239340 A1	19-07-1988
			DE	3462305 D1	12-03-1987
			DK	132984 A	02-09-1984
			ΕP	0118236 A1	12-09-1984
			JP	4013001 B	06-03-1992
					01 10 1004
			JP NO	59173102 A 840643 A ,B,	01-10-1984 03-09-1984